

Group Dashboard Findings: Based on the two graphs titled Sum of Confirmed Covid Cases and Sum of Confirmed Covid Deaths, you can see that during the holidays surrounding the months December and January between 2020 and 2022, there is an influx of Covid Cases and Covid Deaths. This also holds true when looking at Utah alone.

State Findings: What's important to note is that in late 2020 and early 2021 there was high Covid Case at the time but peak Covid deaths. Compared to late 2021 and early 2022, where there was peak Confirmed Covid Cases, double the amount from late 2020 and early 2021, yet the Covid Deaths were not at the peak but still high. The reasoning for this is supported by an article from the FDA titled "FDA Approves first Covid Vaccine", which talks about how in late December of 2020 were when Covid Vaccines were first being administered to the public. This implies how the effect of vaccines caused lower Covid deaths in early 2022 despite the extreme covid cases at the time.

<https://www.fda.gov/news-events/press-announcements/fda-approves-first-covid-19-vaccine>

Looking at the protection to case and death ratios comparing all the states against Utah, you can see the increase in protection to cases that Utah observes compared to the rest of the states implying more vaccinations in Utah. Looking at the protection to death ratio, Utah consistently has higher ratios, again implying the vast amount of vaccinations that Utah has.

Recommendation: In place of a new pandemic, I would recommend the enforcement of masks and pandemic protocols during the months of December and January every year, even if vaccines have been administered to the vast majority of people. This is based on the data and how there is peak covid cases during these months.